

DECEMBER 1994

IMPORT HEALTH REQUIREMENTS OF SWITZERLAND FOR
BOVINE SEMEN EXPORTED FROM THE UNITED STATES

The semen must be accompanied by a Health Certificate of Switzerland which is issued by a veterinarian accredited by the U.S. Department of Agriculture (USDA) and endorsed by a Veterinary Services veterinarian. The semen must be produced under conditions as outlined in the requirements for ministuds (December 31, 1993) and be accompanied by the health certificate entitled "Health Certificate for imports of bovine semen from ministuds".

If an entire Artificial Insemination (AI) center can meet all the requirements, then the health certificate entitled "Certificate of health for importation of bovine semen" should be used.

The official veterinary officer shall be interpreted as the USDA accredited veterinarian who supervises the operation of the ministud or AI center. The certificate shall be endorsed by a USDA Veterinary Services veterinarian in the space below the signature of the "official veterinary officer" and the signature shall be embossed by use of the USDA seal.

The certificate can be reproduced at the area offices as needed by exporters. A VS Form 17-140 should not accompany the semen to be exported.

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Requirements for the Importation of Bovine Semen from Mini-studs

1. The ministud (MS) is completely separated from the AI center (main stud) and from other premises where animals of the bovine species are kept (minimal distance 150 m) and has its own access.
2. The MS must be composed of at least a bull barn and a semen collection room which is easy to clean and disinfect.
3. The personnel who care for the animals of the MS, and semen collectors, are not allowed to have contact (during work and outside) with other animals of the bovine species, except those of the main stud. The veterinary staff in charge is to make sure that appropriate measures are taken to avoid disease transmission (change of clothing and boots compulsory).
4. Access to the MS is permitted only to the personnel who take care of the animals, to semen collectors, to the responsible veterinarians, and to State or Federal veterinary supervisors.

On special permit by the responsible veterinarian, persons responsible for inspection and evaluation of the bulls may be admitted to the MS, if measures are taken to avoid any direct contact between these persons and the animals.

5. Equipment and instruments must only be used in the MS; after each use, they shall be cleaned and, if necessary, disinfected.
6. Semen collected in the MS may be processed in the main stud (AI center); this processing shall be done at a different time than the processing of other semen.
7. With the exception of IBR/IPV and/or enzootic bovine leukosis (EBL), all animals of the main stud shall meet the semen import requirements for

Switzerland according to the requirements of the mini-stud.

8. Within 10 days before transfer from the main stud to the MS, the bulls shall be submitted to a serological test for IBR/IPV and/or EBL. Only bulls with negative results (test methods according to the requirements of the mini-stud) can be transferred to the MS.

If the main stud is free from either IBR/IPV or EBL (indicated by a negative serological reaction of all animals), the donor bulls have to be retested only for the diseases of which the main stud is not free.

9. Immediately after the transfer of the bulls to the MS, collection of semen may be started. A second serological test for IBR/IPV and/or EBL has to be carried out at least 30 days after the transfer of the bulls to the MS. If one bull shows a positive serological reaction, the semen of all bulls shall be rejected for export to Switzerland.
10. The semen collection period must not exceed 90 days from the date of transfer of the bulls to the MS.
11. At least 30 days, but not more than 3 months after the end of the collection period, the donor bulls are submitted to a third serological test for IBR/IPV and EBL. This test may also be carried out when the bulls are returned to the main stud. The semen of all bulls will be rejected for export to Switzerland if one of the bulls presents a positive reaction to one of the tests.
12. Semen collection may continue for an additional consecutive 90-day period. In this case, the third test of the first 90-day collection period will serve as the second test of the second 90-day collection period.
13. If, during the collection period, a new bull is transferred to the MS, the semen of all bulls cannot be exported to Switzerland before the third test (see paragraph 11) has been completed.
14. Records are to be kept on all bulls that are transferred to the MS and on all semen collection and serological data gathered during their stay in the MS. These records are to be delivered to the Swiss federal veterinary office if requested.
15. Semen shipped to Switzerland must be accompanied by the veterinary certificate entitled "Health Certificate for Imports of Bovine Semen from Mini-Studs".

Note: The "State Veterinary Authority" under A1 of the Health Certificate is interpreted to be either a State or Federally employed veterinarian or a USDA veterinarian.

Health Certificate
Issued _____

Health Certificate No. _____
(Valid only if the USDA Veterinary Seal
Appears over the Certificate No.)

DECEMBER 1994

SWITZERLAND

Health Certificate for Imports of Bovine Semen from Mini-Studs

Country of origin: United States of America

Issuing authority (official veterinary officer):

I. Origin of semen

Name and address of AI center where semen collection took place:

Name and address of consignor:

II. Destination of semen

Name and address of consignee: _____

III. Identification of shipment

Description of shipping container (type, marks):

Name of donor bull: _____

Breed: _____ Date of birth: _____

Identification number of donor bull: _____

Number of portions (straws, ampoules): _____

Dates of semen collection * (beginning and ending):

Method and degree of dilution (with quantitative statement of antibiotics
used): _____

The identification number of the donor bull and the date of semen collection
(open or coded) are indicated on each portion.

* The maximum duration of the collection period must not exceed 90 days.

Health Certificate No. _____
(Valid only if the USDA Veterinary Seal Appears
over the Certificate No.)

IV. Health Certification

The undersigned official veterinary officer responsible for the sanitary surveillance of the AI center hereby certifies that the bull described above, semen from bull so described, and the AI center where the bull was kept at the time of semen collection, meet the following requirements:

- A. General * Delete if inapplicable
1. The AI center and the ministud are under the supervision of the State veterinary authority. It was not subjected to any sanitary prohibition from the beginning and up to at least 30 days after the end of semen collection.
 2. Foot-and-mouth disease, rinderpest, contagious bovine pleuropneumonia, vesicular stomatitis, and bluetongue have not been reported during a period of 40 days preceding semen collection and up to 30 days after the end of semen collection within a radius of 12 miles (20 km) from and including the AI center.
 3. All bulls of the AI center have been free from symptoms of tuberculosis, brucellosis, rabies, enzootic bovine leucosis (EBL), infectious bovine rhinotracheitis (IBR/IPV), trichomoniasis (T.fetus), and campylobacteriosis (C. fetus subsp. venerealis) during a period from 12 months preceding semen collection up to 30 days after the end of semen collection.
 4. Before entering the AI Center, all animals of the bovine species were kept isolated for at least 30 days. During this time, the animals were examined for the diseases mentioned under (5). They were permitted entry into the AI Center only if all of them had a negative reaction for all diseases (positive reactions for IBR - IPV and EBL are accepted for other than the donor bull).
 5. All animals of the bovine species of the AI Center are submitted, in intervals of not more than one year, to the following examinations:
 - a. Intradermal tuberculation with bovine tuberculin, according to the prescriptions of the exporting country;
 - b. Blood serum agglutination (STT) (30 i.u./ml) or complement fixation test (CFT, dilution 1:10 negative) for brucellosis; If the bull has a positive reaction at 1:25 dilution on the STT, and is negative at the 1:50 dilution, the semen is eligible for export, provided a CF test at the 1:10 dilution is conducted and is negative;
 - c. Agar-gel immunodiffusion test (AGID) or ELISA with blood serum for EBL;

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- d. Serum neutralization (SN) test (final dilution 1:2) or ELISA with blood serum for IBR/IPV;
- o e. AGID, CF, or ELISA with blood serum for bluetongue;
- * f. Alternative 1: Microscopic and culture examination of preputial fluid for *Trichomonas fetus*.
- * Alternative 2: Microscopic or culture examination of preputial fluid for *Trichomonas fetus*; In addition: microscopic and culture examination of the donor bull for *T. fetus*, within 30 days preceding semen collection;
- g. Fluorescent antibody microscopy or culture examination of preputial swabs or preputial fluid for *Campylobacter fetus*, subsp. *venerealis*;

The examinations mentioned above have been conducted within 12 months before semen collection and have shown a negative reaction in all cases (except for EBL and/or IBR-IPV).

B. Ministud

- 6. The ministud and the bulls kept there are in accordance with the Swiss requirements for ministuds.

C. Donor bull

- 7. Within 10 days before transfer to the ministud, the donor bull has been submitted, with negative reaction, to a serological test for IBR/IPV and/or EBL.

Date of test: IBR/IPV (SN-test or ELISA):

Enzootic bovine leukosis (AGID or ELISA):

- 8. At least 30 days after transfer to the ministud, the donor bull has been submitted, with a negative reaction, to a serological test for IBR/IPV and/or EBL.

Date of test: IBR/IPV (SN-test or ELISA):

EBL (AGID or ELISA):

Health Certificate No. _____
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9. At least 30 days but not more than 3 months after the end of the semen collection period, the donor bull has been submitted, with a negative reaction, to a serological test for IBR/IPV and/or EBL.

Date of test: IBR/IPV (SN-test or ELISA):

EBL (AGID or ELISA):

- o 10. The donor bull has been examined serologically (AGID, CFT, or ELISA) for bluetongue, with negative result, within 30 days before the beginning of semen collection and at least 30 days (but not more than 6 months) after the end of semen collection.

Dates of test: _____

11. As far as can be determined, the donor bull has never had a positive serological reaction for IBR/IPV, and he has never been vaccinated against this disease.
12. The donor bull has remained without interruption in the AI center and the ministud during a period of at least 30 days preceding semen collection, (the isolation period is not counted). It has not performed natural service during this period.
- o 13. The semen was collected from the donor bull during the vector-free season (northern hemisphere from November 15 to April 15; southern hemisphere from May 16 to October 15). Semen may be collected on a year-round basis from bulls resident in AI centers located in the States North of and including Virginia, West Virginia, Ohio, Indiana, Illinois, Wisconsin, Minnesota, North Dakota and Adel, Iowa.
14. The semen has been produced, processed and stored in the AI-center named above.

Health Certificate No. _____

V. This certificate shall remain valid for 90 days after the date of issue.

Place: _____

Date: _____

Signature of Accredited Veterinarian

Name of Accredited Veterinarian

Signature of Official Veterinary Officer

Stamp

* Delete if inapplicable

o Paragraphs 5e, 10 and 13 need not be confirmed for semen from countries where bluetongue has not been recorded for at least one year.

Health Certificate
Issued _____

Health Certificate No. _____
(Valid only if the USDA Veterinary Seal
Appears over the Certificate No.)

DECEMBER 1994

SWITZERLAND

Certificate of Health for the Importation of Bovine Semen (from main studs)

Country of origin: United States of America

Issuing authority (official veterinary officer):

I. Origin of semen

Name and address of AI center where semen collection took place:

Name and address of consignor:

II. Destination of semen

Name and address of consignee: _____

III. Identification of shipment

Description of shipping container (type, marks):

Name of donor bull: _____

Breed: _____ Date of birth: _____

Identification number of donor bull: _____

Number of portions (straws, ampoules): _____

(a) Dates of semen collection (beginning and ending):

Method and degree of dilution (with quantitative statement of
antibiotics used): _____

The identification number of the donor bull and the date of semen collection
(open and coded) are indicated on each portion.

(a) The maximum duration of the collection period must not exceed 90 days.

Health Certificate No. _____
(Valid only if the USDA Veterinary Seal Appears
over the Certificate No.)

IV. Health Certification

The undersigned official veterinary officer responsible for the sanitary surveillance of the AI center hereby certifies that the bull described above, semen from the bull so described, and the AI center where the bull was kept at the time of semen collection, meet the following requirements:

1. The AI center is under the supervision of the State veterinary authority. It was not subjected to any sanitary prohibitions from the beginning and up to at least 30 days after the end of the semen collection.
2. Foot-and-mouth disease, rinderpest, contagious bovine pleuropneumonia, vesicular stomatitis, and bluetongue have not been reported during a period of 40 days preceding semen collection and up to 30 days after the end of semen collection within a radius of 12 miles (20 km) from and including the AI center.
3. All bulls of the AI center have been free from symptoms of tuberculosis, brucellosis, rabies, enzootic bovine leucosis (EBL), infectious bovine rhinotracheitis (IBR/IPV), trichomoniasis (T.fetus), and campylobacteriosis (C. fetus subsp. venerealis) during a period from 12 months preceding semen collection up to 30 days after the end of semen collection.
4. Before entering the AI center, all animals of the bovine species were kept isolated for at least 30 days. During this time, the animals were examined for the diseases mentioned under (5). They were permitted entry into the AI Center only if all of them had a negative reaction for all diseases.
5. Within 12 months preceding semen collection, all bulls of the AI center including the donor bull, have been submitted, with negative result, to the following examinations:
 - a. Intradermal tuberculation with bovine tuberculin, according to the prescriptions of the exporting country;

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(Valid only if the USDA Veterinary Seal Appears
over the Certificate No.)

- b. Blood serum agglutination (STT) (less than or equal to 30 i.u./ml) or complement fixation test (less than 20 ICFTU) for brucellosis;
- c. Agar-gel immunodiffusion test (AGID) or ELISA with blood serum for enzootic bovine leukosis;
- d. Serum neutralization (SN) test (final dilution 1:2) or ELISA with blood serum for IBR/IPV;
- o e. AGID or CF with blood serum for bluetongue;
- o f. Alternative 1: Microscopic and culture examination of preputial fluid for Trichomonas fetus.
- o Alternative 2: Microscopic or culture examination of preputial fluid for Trichomonas fetus; In addition: microscopic and culture examination of the donor bull for T. fetus, within 30 days preceding semen collection;
- g. Fluorescent antibody microscopy or culture examination of preputial swabs or preputial fluid for Campylobacter fetus, subsp. venerealis;

The examinations mentioned above have been conducted within 12 months before semen collection and have shown a negative reaction in all cases.

- 6. The donor bull has been serologically (SN test, final dilution 1:2, or ELISA) examined for IBR/IPV, with negative result, at least once after the isolation period and at least 30 days (but not more the 6 months) after the end of semen collection.

Dates of tests: _____

Health Certificate No. _____
(Valid only if the USDA Veterinary Seal Appears
over the Certificate No.)

- o 7. The donor bull has been serologically (AGID or CFT) examined for bluetongue, with negative result, within 30 days before the beginning of semen collection and at least 30 days (but not more than 6 months) after the end of semen collection.

Dates of tests: _____

- 8. As far as can be determined, the donor bull has never had a positive serological reaction for IBR-IPV, and has never been vaccinated against this disease.
- o 9. The semen was collected from the donor bull during the vecto-free season (northern hemisphere from November 16 to April 15, southern hemisphere from May 16 to October 15). Semen may be collected on a year-round basis from bulls resident in AI centers located in the States North of and including Virginia, West Virginia, Ohio, Indiana, Illinois, Wisconsin, Minnesota, North Dakota and Adel, Iowa.
- 10. The donor bull has remained without interruption in the AI center during a period of at least 30 days preceding semen collection (the isolation period is not counted). It has not performed natural service during this period.
- 11. The semen has been produced, processed and stored in the AI Center named above.
- V. This certificate shall remain valid for 90 days after the date of issue.

Place: _____

Date: _____

Signature of Accredited Veterinarian

Name of Accredited Veterinarian

Signature of Official Veterinary Officer

Official
Stamp

* Delete if inapplicable

- o Paragraphs 5e, 7 and 9 may be deleted for semen from countries where bluetongue has not been recorded for at least one year.